

ABSTRACT

[00131] A multi-speed ratio apparatus to control output for use, but not limited to, either as a module connected to a transmission or as a stand alone transmission. The multi-speed ratio apparatus is connected to a driving member (such as, for example, an engine, motor, or transmission) and a driven member (such as a shaft, differential, or axle). The apparatus having at least one rotary speed converter, the rotary speed converter having a conjugate pair of cam parts and a reaction disk interconnected between the conjugate pair of cam parts. The reaction disk is capable of operably coupling the conjugate pair of cam parts. Further the apparatus includes a grounding member.

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